



## Course Outline

BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Operating Unit: Health Sciences

Program: Medical Radiography

Option:

**MRAD 2204**

**Radiographic Anatomy and Physiology**

**Start Date:** September, 1999

**End Date:**

**Course Credits:** 2

**Term/Level:** 2

**Total Hours:** 32

**Total Weeks:** 15

**Hours/Week:** 4

**Lecture:** 2

**Lab:** 2

**Shop:**

**Seminar:**

**Other:**

### Prerequisites

**MRAD 2204 is a Prerequisite for:**

**Course No. Course Name**

**Course No. Course Name**

BHSC 1113 Basic Anatomy and Physiology

MRAD 3304 Radiographic Anatomy and Physiology

MRAD 1104 Radiographic Anatomy and Physiology

### Course Calendar Description

During Level 2 of this course the lecture and laboratory material will cover organs in the human body and structures of the cranium. Emphasis will be placed on location, external landmarks and radiographic identification and application. Identification of organs with contrast/no contrast and cross-sectional anatomy will also be stressed.

### Course Goals

1. describe structure, function and relative positions of organs in the body and structures of the cranium.
2. locate internal structure using surface landmarks.
3. relate changes in organ position to changes in body position.
4. recognize and relate variations in organ locations based on bodily habitus.
5. trace the route of contrast media absorption for urinary and biliary radiographic procedures.
6. identify on radiographs body organs including both contrast and noncontrast procedures.
7. identify major structures displayed on sectional images.

## Evaluation

Weekly Quiz		20%	The pass mark for all subjects in the Medical Radiography program is 60%.
Midterm:	Lecture/Lab	40%	
Final:	Lecture/Lab	40%	
TOTAL		100%	

## Course Learning Outcomes/Competencies

## Course Content Verification

I verify that the content of this course outline is current, accurate, and complies with BCIT Policy.

M. Shippell  
Program Head/Chief Instructor

August 1999  
Date

Note: Should changes be required to the content of this course outline, students will be given reasonable notice.



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### **Instructor(s)**

Mary Filippelli

Office No.: 4084

Office Phone: 8743

Office Hrs.: Open

E-mail Address:

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### **Learning Resources**

#### **Required:**

*Principles of Anatomy and Physiology*, Tortora and Anagnostakos

*Radiographic Anatomy and Physiology*, (manual)

*CAMRT Curriculum Guide for Radiography Programs*

#### **Recommended:**

(As listed for CAMRT exam validation)

*Basic Physiology and Anatomy*, Chaffee and Lytle

*Atlas of Human Cross Sectional Anatomy*, Cahill and Orland

*The Anatomy Coloring Book*, Kapit and Elson

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### **BCIT Policy Information for Students**

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### **Assignment Details**



BRITISH COLUMBIA INSTITUTE OF TECHNOLOGY

Schedule

School of «Health Sciences»

Program: «Medical Radiography»

Option: «Option»

**MRAD 2204**

**«Radiographic Anatomy and Physiology»**

	Sets	WEEK OF	Lecture	Laboratory
1	All	Sept 6	Ribs, Sternum, Trachea, Pharynx/Larynx  Urinary	Ribs, Sternum, Trachea, Pharynx/Larynx
2	All	Sept 13	G. I. System  G.I. Systems	Urinary System
3	All	Sept 20	Biliary System  Spleen, Liver, Pancreas	G.I. System
4	All	Sept 27	Biliary System  Reproductive System	Biliary System, Liver, Pancreas  Reproductive System
5	All	Oct 4	Lymphatic System  Intro to Skull	<b>Midterm (Combined Lecture/Lab)</b>
6	A/C	Oct 11	Skull	Skull
7	B/D	Oct 18	Skull	Skull
8	A/C	Oct 25	Skull	Skull
9	A/C	Nov 1	Skull	Skull
10	B/D	Nov 8	Skull	Skull
11	B/D	Nov 15	Skull	Skull
12	A/C	Nov 22	Skull	Skull
13	B/D	Nov 29	Skull	Skull
14	All	Dec 6	<b>FINAL EXAM WEEK</b>	